

# Forum:[Hack Forums](#)

Thread: [Cr4wler - IoT Vulnerabilities Search Engine \(Shodan LIKE\).](#)

Watta - August 21, 2024, 7:33 am

<https://github.com/TalMalka/Cr4wler>

Cr4wler is a sophisticated web application dedicated to scanning IP ranges, extracting detailed information on open ports, services, and associated data, all seamlessly presented via an intuitive user interface. Powered by robust backend tools such as masscan and nmap, ensures comprehensive scanning capabilities and is crafted to deliver a seamless user experience. ?Star the project on GitHub to support future updates and to show some love?

FeaturesScan IP ranges for open ports and services.

Retrieve detailed information about discovered hosts including geolocation, OS, and reverse DNS, Ports and Services.

Display results in an interactive and user-friendly web interface.

Sort results by Country, Open-ports, Services, OS and more...

Statistics and graphs based on geolocation and stats.

Requirements

Python 3.x

Flask

masscan

nmap

InstallationClone the repository:

git clone <https://github.com/TalMalka/Cr4wler.git>

cd Cr4wler

Install the required Python packages:

pip install -r requirements.txt

Ensure masscan and nmap are installed on your system. Refer to their respective installation guides.

Start the Flask server:

```
python app.py
```

Usage

Start the Flask server:

```
python app.py
```

Open your web browser and navigate to <http://localhost:5000>.

Click the "Fetch Hosts" button to retrieve and display the scanned data.

API Endpoints

GET /api/fetch: Fetches the scanned host data.

Example Response

```
[
{
  "ip": "1.2.3.1",
  "geolocation": {
    "city": "San Diego",
    "region": "California",
    "country": "US",
    "loc": "37.25329,-121.78575"
  },
  "os_name": "Linux 2.4 (Slackware 10.2)",
  "rdns": "N/A",
  "timestamp": "2024-07-17T23:20:15Z",
  "ports": [
    {
      "port": 80,
      "service": "http",
      "product": "nginx"
    },
    {
      "port": 3306,
      "service": "mysql",
      "version": "5.5.62",
      "product": "MySQL"
    }
  ]
}
```

Project Structure

Cr4wler/

+-- static/

| +-- styles.css # CSS file

| |-- main.js # JS file

| +-- logo.png # Logo image

+-- templates/

| +-- index.html # Web interface

+-- instance/

| +-- hosts.db # SQLite Database.

+-- requirements.txt # Python dependencies  
+-- app.py # Flask application  
+-- scanner.py # Crawler bots.

## Contributing

We welcome contributions to enhance the Cr4wler project. Here are some ways you can contribute:

Reporting bugs and issues  
Submitting feature requests  
Creating pull requests with enhancements  
Steps to Contribute  
Fork the repository.  
Create a new branch (git checkout -b feature-branch).  
Make your changes and commit them (git commit -am 'Add new feature').  
Push to the branch (git push origin feature-branch).  
Create a new Pull Request.  
License  
This project is licensed under the MIT License. See the LICENSE file for details.

Enjoy using Cr4wler! Use it responsibly

**Ivanov\_1** - August 22, 2024, 3:25 pm

Looks interestin and very complete,maybe in the weekend i'll install in one of my linux laptops.

**Watta** - October 29, 2024, 8:50 am

(Aug 22, 2024 03:25 PM)Ivanov\_1 Wrote: [\[CITE\]](#) Looks interestin and very complete,maybe in the weekend i'll install in one of my linux laptops.

Enjoy and use responsibly.

**Mylibe** - November 1, 2024, 4:55 am

Looks good, I have already encountered open source analogs of shodan, will have to test .

**topLEFT** - December 24, 2024, 12:12 pm

Looks pretty cool I went ahead and subscribed to this post and I'll definitely check back for any further updates and see if I can't poke around and test ??

Huge respect!

**Jayjonjah** - December 25, 2024, 8:07 pm

This is so useful. Thanks for sharing

**sarahhhhhhhh** - December 31, 2024, 12:54 am

Thank you thank you thank you